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## INFORMATION REPORT

REPORT

CD NO.

COUNTRY East Germany

DATE DISTR. 3 November 1955

SUBJECT VEB Carl Zeiss, Jena: Ultracentrifuge Development

NO. OF PAGES 1

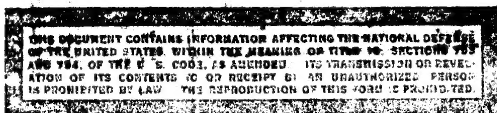
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(LISTED BELOW)

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DATE OF INFO.

SUPPLEMENT TO REPORT NO.



THIS IS UNEVALUATED INFORMATION

1. Development work on the new ultracentrifuge being carried out by Experimental Design Office No. 1 (NoV-1) of VEB Carl Zeiss, Jena, was being accelerated as of September 1955 so as to be able to show this instrument at the Leipzig Spring Fair of 1956. The metal parts of the centrifuge proper and the attached small Schlieren device are now being given numerous applications of a rust-free lacquer.
2. The ultracentrifuge has now been tested at a speed of 50,000 revolutions per minute, exercising a power of 240,000 g's, and no further major difficulties were experienced. The instrument will be sent to another laboratory of the plant to be tested for density, compactness, and vacuum tightness (Abdichtung). The laboratory which is to conduct these latter tests is headed by Hauenstein (Hr.).
3. Present plans call for the Experimental Design Office No. 1 (NoV-1) to build another ultracentrifuge instrument for endurance and performance tests. It is planned to run this instrument at the same speed of 50,000 revolutions per minute, or within a tolerance of ten percent plus or minus, until such time as the instrument begins to disintegrate.
4. Nothing definite is known as yet regarding the sale price of this instrument.

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